

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	10/084,282
Filing Date	February 25, 2002
First Named Inventor	Andy Glew
Art Unit	2185
Examiner Name	
Attorney Docket Number	42390P11202

Sheet 1 of 2

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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Examiner Signature	<i>BAC JAC ZWANG</i>	Date Considered	06/01/05
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*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

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Substitute for Form 1449/PTO <div style="text-align: center;">  <h2 style="margin: 0;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="margin: 0;">(use as many sheets as necessary)</p> </div>				Complete if Known	
		Application Number		10/084,282	
		Filing Date		February 25, 2002	
		First Named Inventor:		Andy Glew et al.	
		Art Unit		2187	
		Examiner Name		Bao Q. Troung	
Sheet 1 of 4		Attorney Docket Number		042390.P11202	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
		US-				
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FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴ Kind Code ⁵ (if known)				
BT	EP	0	892 521	A2	Hewlett-Packard Company	01-20-1999	
	EP	1	055 989	A1	Hewlett-Packard Company	11-29-2000	
	EP	1	056 014	A1	Hewlett-Packard Company	11-29-2000	
	WO	98/	12620	A1	Mitsubishi Denki Engineering	03-26-1998	
	WO	99/	18511	A1	Phoenix Technologies, Ltd.	04-15-1999	

Examiner Signature		Date Considered	06/01/05
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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
BT	WO	99/65579	A1	Aristocrat Leisure Industries Ltd.	12-23-1999	
I	WO	02/01794	A2	Intel Corporation	01-03-2002	
I	WO	02/060121	A1	Intel Corporation	08-01-2002	
I	WO	03/058412	A2	Intel Corporation	07-17-2003	

Examiner Signature	<i>BHO GUL KONG</i>	Date Considered	06/01/05
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				Filing Date	February 25, 2002
				First Named Inventor:	Andy Glew et al.
				Art Unit	2187
				Examiner Name	Bao Q. Troung
Sheet	3	of	4	Attorney Docket Number	042390.P11202
NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
BT		COULOURIS, G. et al., "Distributed Systems: Concepts and Design", 2 nd Edition, Addison-Wesley Publishers Ltd., Essex, England, pp. 422-424 (1994).			
		CRAWFORD, J., "Architecture of the Intel 80386", Proceedings of the IEEE International Conference on Computer Design: VLSI in Computers (ICCD '86), ISBN 0-8186-0735-1, pp. 155-160 (October 6 - 9, 1986).			
		FABRY, R.S., "Capability-Based Addressing", Communications of the ACM, Vol. 17, No. 7, pp. 403-412 (July 1974).			
		FRIEDER, G., "The Architecture and Operational Characteristics of the VMX Host Machine", IEEE Proceedings of the 15th Annual Workshop on Microprogramming, pp. 9-16, (October 5, 1982).			
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		IBM CORPORATION, "IBM ThinkPad T30 Notebooks", IBM Product Specification, located at www-1.ibm.com/services/files/cisco_t30_spec_sheet_070202.pdf , pp. 1-6 (July 2, 2002).			
		INTEL CORPORATION, "Intel 82802AB/82802AC Firmware Hub (FWH)", Intel Product Datasheet, Document Number 290658-004, pp. 1-6, 17-28 (November 2000).			
		MENEZES, ALFRED J., et al., "Handbook of Applied Cryptography", CRC Press Series on Discrete Mathematics and its Applications, Boca Raton, FL, ISBN 0849385237, pp. 403-405, 475, 506-515, 570 (October 1996).			
		NANBA, S. et al., "VM/4: ACOS-4 Virtual Machine Architecture", IEEE Proceedings of the 12th Annual Symposium on Computer Architecture, pp. 171-178 (June 1985).			
		RSA SECURITY INC., "Hardware Authenticators", located at www.rsasecurity.com/node.asp?id=1158 , pp. 1-2 (2004).			
		RSA SECURITY INC., "Software Authenticators", located at www.rsasecurity.com/node.asp?id=1313 , pp. 1-2 (2004).			

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Examiner Signature	Bao Q. Troung	Date Considered	06/01/05
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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	1	of	1
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Complete if Known

Application Number	10/084,282
Filing Date	February 25, 2002
First Named Inventor	Andy Glew
Art Unit	2185
Examiner Name	Bao Q. Truong
Attorney Docket Number	42390P11202

U.S. PATENT DOCUMENTS

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.†	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code* (if known)			
BT 1	1	US-4,084,225	04-11-1978	Anderson et al.	
	2	US-5,778,407	07-07-1998	Glew et al.	
	3	US-5,819,061	10-06-1998	Glassen et al.	
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² Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible; applicant is to place a check mark here if English language translation is attached.

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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of
Invention

METHOD AND APPARATUS FOR TRANSLATING GUEST
PHYSICAL ADDRESSES IN A VIRTUAL MACHINE
ENVIRONMENT

Application Number: 10/084282
Confirmation Number: 7096
First Named Applicant: Andy Glew
Attorney Docket Number: 42P11202
Art Unit: 2187
Examiner: Bao Truong
Search string: (3996449 or 4430709 or 4802084 or 4975836
or 5187802 or 5230069 or 5295251 or 5361375
or 5469557 or 5506975 or 5555385 or 5555414
or 5564040 or 5574936 or 5956408 or 5978475
or 6044478 or 6088262 or 6173417 or 6175924
or 6188257 or 6275933 or 6378068 or
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US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
BT	1	3996449	1976-12-07	Attanasio			
	2	4430709	1984-02-07	Schleupen			
	3	4802084	1989-01-31	Ikegaya			
	4	4975836	1990-12-04	Hirosawa			
	5	5187802	1993-02-16	Inoue			
	6	5230069	1993-02-16	Brelsford			
	7	5295251	1994-03-15	Wakui			
	8	5361375	1994-11-01	Ogi			
	9	5469557	1995-11-21	Salt			
	10	5506975	1996-04-09	Onodera			
	11	5555385	1996-09-10	Osisek			
	12	5555414	1996-09-10	Hough			

BT	13	5564040	1996-10-08	Kubala
	14	5574936	1996-11-12	Ryba
	15	5956408	1999-09-21	Arnold
	16	5978475	1999-11-02	Schneier
	17	6044478	2000-03-28	Green
	18	6088262	2000-07-11	Nasu
	19	6173417	2001-01-09	Merrill
	20	6175924	2001-01-16	Arnold
	21	6188257	2001-02-13	Buer
	22	6275933	2001-08-14	Fine
	23	6378068	2002-04-23	Foster
	24	6093213	2000-07-25	Favor

Signature

Examiner Name	Date
DFO <i>Chris Zwick</i>	06/01/05

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U.S. PATENT DOCUMENTS						
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BT		6,282,650	Davis	08-28-2001		

FOREIGN PATENT DOCUMENTS						
Exam. Initial*	Cite No. ¹	Foreign Patent Document Office ³ Number ⁴ Kind Code ⁵ (If known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
BT		DE 4217444	Toyohisa et al.	12-03-1992		
BT		EP 0473913	Farrell	03-11-1992		

OTHER ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
BT		BRANDS, STEFAN, "Restrictive Blinding of Secret-Key Certificates", SPRINGER-VERLAG XP002201306, (1995), Chapter 3	
		DAVIDA, GEORGE I. et al., "Defending Systems Against Viruses through Cryptographic Authentication", Proceedings of the Symposium on Security and Privacy, IEEE Comp. Soc. Press, ISBN 0-8186-1939-2, (May 1989)	
		INTEL, "IA-32 Intel Architecture Software Developer's Manual Citation: Volume 3: System Programming Guide Miscellaneous Information", (2003), pp. 13-1 through 13-24	
		KASHIWAGI, KAZUHIKO et al., "Design and Implementation of Dynamically Reconstructing System Software", Software Engineering Conference, Proceedings 1996 Asia-Pacific Seoul, South Korea 4-7 Dec. 1996, Los Alamitos, CA USA, IEEE Comput. Soc, US, ISBN 0-8186-7638-8, (1996)	
		LUKE, JAHN et al., "Replacement Strategy for Aging Avionics Computers", IEEE AES Systems Magazine, XP002190614, (March 1999)	
		MENEZES, OORSCHOT, "Handbook of Applied Cryptography", CRC Press LLC, USA XP002201307, (1997), p. 475	
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		SHERWOOD, TIMOTHY et al., "Patchable Instruction ROM Architecture", Dept. of Computer Science and Engineering, University of California, San Diego, La Jolla, CA, (Nov. 2001)	

Examiner Signature	Bao Q. Truong	Date Considered	06/01/03
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Cite
No[†]

Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published

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BT

"Information Display Technique for a Terminate Stay Resident Program," IBM Technical Disclosure Bulletin, TDB-ACC-No. NA9112156, 12/1/91, pp. 156-158, Vol. 34, Issue No. 7A

7

KARGER, PAUL A., et al., "A VMM Security Kernel for the VAX Architecture," Proceedings of the Symposium on Research in Security and Privacy, 5/7/1990, pp. 2-19, XP010020182, ISBN: 0-8186-2060-9, Buxborough, MA.

CHIEN, ANDREW A., et al., "Safe and Protected Execution for the Morph/AMRM Reconfigurable Processor," 7th Annual IEEE Symposium, FCCM '99 Proceedings 4/21/1999, pp. 209-221, XP010359180, ISBN: 0-7695-0375-6, Los Alamitos, CA.

ROBIN, JOHN SCOTT and IRVINE, CYNTHIA E., "Analysis of the Pentium's Ability to Support a Secure Virtual Machine Monitor," Proceedings of the 9th USENIX Security Symposium, 8/14/2000, pp. 1-17, XP002247347, Denver, CO.

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